NUMBER I

M. MAGLEAN, EDITOR AND PROPRIETOR

TERMS: If paid within three months, It paid within three months after the close of the year, - - -If paid within twelve months after the close of the year, 4 00 If not paid within that time, . . . 5 00

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THE

SOUTHERN COMPENDIUM of Literature, Agriculture, Arts and

Under the above title it is proposed to publish in this place in January next, a ment and Instruction, embracing Literature if desirous to do so, unless he be as fat as a that keeping horses in cold and exposed the Arts and Sciences, Agriculture, Horticulture, Domestic and Rural Economy, unexceptionable fact, that he cannot work Sporting Intelligence, &c. &c.

The Literary department will embrace interesting and instructive Tales, Narratives, Adventures, Sketches of travels, platracts from, and Notices of, New Works; for which the animal which I am about to the better will his health be. ces and persons; Anecdotes, Poerry, Ex. &c. &c.

All new discoveries in the Sciences and Arts, as well as interesting papers relating to either, will be immediately noticed, and | intermediate days, in performing such journwhen of sufficient interest will be transferred to our columns; or such extracts given as will furnish full information to our readers.

In the Agricultural department, special attention will be paid to the great interests of the South. From our Planters, we will endeavor to obtain much practical and useful information which now lies buried and known but to themselves. In order that we may the more fully and effectually carry out this part of our plan, we propose to on the plantations we may visit. By pur. suing this plan stendily, (as we hope to do) much highly useful information will be obtained, which cannot fail to be of immense adopt such as may promise a grea er recompense, than those, they at the time may follow. Nor shall we confine ourselves

Horticulture will also claim our attenthe low estate in which it now exists among to think for yourself: the Directors, in their us, to one more worthy of it. W will bounuful kindness, having preceded you by accordingly give not only practical direc- their "better judgment," and have formed a tions, for the culture of Fruits, Flowers and Vegetables, but entering into the Scientific department, we will publish whatever we your entering their establishment to that of may find interesting. Descriptions of new your leaving it. Their restrictions can sure. Fruits, Flowers and Vegetables, as well as their culture, will be given from time to time. The forcing department, which of his limbs, and a good hack. is but little attended to, in the South, embracing the formation, building and management of hot beds, conservatories and hot houses, will also be attended to.

Domestic and and Rural Economy will not be neglected, but whatever we can find likely to promote either will be given in our knowledge of horses ought to be conversant

Sporting Intelligence, Anecdotes, On Dits, and various miscellaneous matters; the treatment of their hacks. which cannot well be classed, will swell our pages, and add interest to our periodi-

In furtherance of our object, we will do which shall be welcomed by every member of such families as may patronise it. To effect this, while we hope to contribute our full share to the Original Literature of the day, as well as add considerably to the stock of Agricultural information, yet we will but also in Europe, and from these we will to remark is 100 frequently the case. select only such articles as may prove highly interesting or instructive.

be excluded and while we have our prefer- animals to undergo laborious exertion must one in good condition, not because the evapoence in both, yet we will not admit of any be rather light than o herwise : plethora is ration from the latter is greater; but because thing which may be likely to wound or incompatible with activity. I would rather offend the feelings of our readers.

Periodical, and respectfully solicit for it of good keep and in s rong work. If a support, both by subscriptions and contributions.

TERMS :- THE SOUTHERN COM. PENDIUM will be published on the 15th of each month, in octavo form of 64 pages, at \$5 per aanum payable in advance.

JOHN D. LEGARE. CHARLES FON, S. C. December, 1839. | which I had been using as my hack for health.

CONDITION OF HACKS, CLIP-PING, &c.

Whatever purpose the horse may be required for, unless he is is condition he is of very little value : however well he may be bred, however quick he may be in his paces, to ride, he will lose his speed, his safety, and, with these failings, that willing disposition generally denominated being "pleasant to ride," if he is wanting in the sine qua nongalloping and steam-if in condition, will go to the last with a degree of alacrity and

In my application of the word condition, do not mean to express by it that the antdispensable qualification with many per. all probability be at its best. sons, especially in the great metropolis, where you cannot dispose of your quadruped Smithfield ox. It may be set down as an town : and, if that be the only purpose for which he is required by all means the fatter he is the better. But this is not the service notice is wanted: his occupations will be very different; he is employed in carrying his master to covert in the winter, and, on eys as pleasure or business may require. -Whilst the race-horse during the winter seas n is allowed many indulgencies which cannot be conceded o him in the summer; and the summer's rest affords the hunter a relaxation from actual work, which his great exertions during the winter season claim as a prorogative for him; the services of the hack are in constant requisition-he may be said never to be at rest. It follows that his condition ought to be attended to, in order that he may be enabled to perform his make frequent excursions into the different task; and there is no earthly reason why sections of not only this, but also of the he should not be a tinded to with systema adjoining States, for the purpose of person- ic care. Many men complain that they ally inspecting and reporting on all the va. cannot procure good hacks, and that they rious operations which may be carried on, cannot get them to stand their work for any length of time; this arises from want of condition and proper attention.

horseback to the restrictions of a stageservice to the Agricultural community, in. | coach, I have always had in my possession asmuch as our planters will thus become a hack to carry me from one part of the country to another; and even when journeys like a wet blanket, with a languid circul. tions of country, and may from time to time of one hundred and fifty or two hundred tion, insufficient to create that evaporation miles have been before me, I have usually necessary to render the horse dry, and the performed them on horseback. Now that perspiration will be seen hanging to the railroads have in so many parts superscedto practical information only, but from the ed the conches, and as they appear to be inrich stores knowledge which are to be creasing in their innovations, it will be more found among our planters, we hope to draw than ever important to possess a good back. much which will prove useful and interes. To me the locomo ive steam engine is the greatest abomination : on the railway you are conveyed from one place to another tion, and we will endeavor to raise it from like a prisoner; you are searcely allowed code of laws for your observance and their interest to be in force from the moment of ly never be by choice submitted to by an Englishman possessing his health, the use

Without offering a dry and uninteresting detail of the requisite course to be adopted to get a hack into condition-a subject which has already been very ably dilated upon by former correspondents in this work. with--I shall not pass over a few remarks which, with most persons, are neglected in

It very frequently happens that a person, when he has purchased a hack, finds that he is wofully out of condition; but not being willing to afford time for that great de. park about six o'clock of one of the darkest sideratum to be accomplished, he puts him highly interesting and instructive, and one to work thoughtlessly observing he is but the road amongst some trees, the branches a hack, and whenever his services are required they must be brought forth. By away from me. It was a very cold frosty this treatment the poor brute never becomes fit : he is overdone, and will not feed he is in that state called upon to perform what his powers are unequal to, and he is to k no cold whatever-a trifling inflamcondemned as worthless, dejected, weak. the numerous daily, weekly, monthly and and ill: he is again disposed of, or continues spiration of the cold and foggy atmosphere, quarterly periodicals, which embracing to be used with cruelty, because he is con- being the only ill effects she recrived, and every subject, abound not only in America, sidered of no value; and this I am sorry to which was removed in a few days by the

When a back is once got in condition, a The moderate share of attention will keep him sources which are open to us in each de. so. It will, how ver, be as well to make partment are ample, and we trust we shall myself clearly understood how I mean the so avail ourselves of them, as to render term to be applied. He should be free from THE SOUTHERN COMPENDIUM a superfluous fat, very full of muscle, and his highly acceptable visiter wherever known, body neither distended to excess, nor drawn Political and Religious discussions will as fiar, as if he were going to race. All have my hack looking what may be termed We have thus sketched the plan of our too light than too lusty, providing he is full horse in strong work he will seld im be too fat. Mr. R. Tattersall, Jun. made a remark to me some time since, which, although it was merely a casual observation, I consider was rather complimentary as re-garded the general condition of my horses. animal with a thicker coat of hair in win-I was riding a little thorough-bred mare, ter than is necessary to its comfort and best

many horses made up for sale, and the flish, a hick in the trim that I always de. sale in his action, well broken and pleasant sire to have mine would doubtless appear to him almost in racing condition.

Although I am aware hat I shall have to encounter a host of objec ors, especially amongst those of the Old School, I am de. condition. Many casual observers may cidedly in favor of keeping backs warm. It fancy that if the animal is tired he is equally is obvious to every one in the least degree unpleasant to ride whether he be in condi. acquainted with the habits and constitution tion or not; but this is not the case: a of the horse, that he looks best and is in the well-bred hack-and nobody dreams of most healthy state in warm weather, conseriding one which is not so in these days of quently he can then perform the most labor : not, let me explain myself, that would select one of the ho test days in pleasure to himself and to his r.der which summer as the day of all others to perform he cannot do if over-fat, or if he is weak a long journey; bu I would, if possible, have a moderately warm day, prec ded by days of equal temperature, if our change, able climate would permit me, upon the mal is to be overloaded with firsh-an in. principle that the animal's health would in

The nearer we follow Nature in the treatment of animals the better; and I contend Nature. The blood horse originally came in that state, he may look more handsome from Bestern chinates, where the temperato parade in the park or the streets of ture is dry and warm; and although he is o a certain ex ent na uralized to this climate. here can be no doub the nearer the temperature may be to that of his primi ive soil

The vine, it is true, will grow and pro luce grapes in the open air in this coun re out not in that abundance, size, quality, or flavor as it does in warmer clim nes, or when protected by the shelter of a hot house. Those who object to having their nacks kept warm argue that at times they are inevitably exposed to a cold stable, and that such a change will be p oductive of catarrh, inflummation, and various other to be encountered as for nerly : stables are more comfortably constructed than the used to be ; and f a damer invitation or other social visit exposes he back to a tem porary asylum in a cold stable, a rug or two, or even a blanket, can surely be found to keep aim warm walst his master enjoys road : it should invariably be boiled, and I than it has received, and which if it does burnself at the fes ive board. Indeed, if no prefer it made, with wheat flour, as it re- not claim the universal attention of farmers envelopment can be procured, I am covinced the animal will not be so susceptible of cold, although accustomed to warmth at home, as he will be if kept too cool, and for Preferring the independence of riding on this reason - he will be finer in his cont, and from the beneficial result of condition, he will be dry; whereas a horse with a long boring, and if I cannot procure it in that coat, and out of condition, has a garment sate I prefer water. point of almost every hair on his body.*

For this reason the operation of Clipping, unless a horse possesses a short and fine coat during the winter season, never ough to be neglected, for there is no description of horses to whom it is generally speaking. more essential than for backs. I can speak of its advantages from experience, and will relate one or two circumstances which came under my own observation.

Several years since a pony mare, which I rode as back, was in the winter invariably afflicted with a cough ; she had an exceed. ingly long coat, which did not dry after work for several hours: the fashion of clipping being in roduced, I had that operation performed, and I was no longer teazed by the eough: sie would dry in a very short time, and most unquestionably stood her work better than before. She was used for thirteen successive years, and is now living, at the age of twenty-two, although not in my possession; but this is and which every man having an ordinary pretty good evidence that her constitution was not injured.+

The most convincing proof of horses not being so subject to take cold as many persons imagine, is evidenced by an event which happened to me last winter. I had had my hack clipped, and only three days afterwards, returning home across a large evenings I ever encountered, I got out of night in December, and, being unable to catch the mare, she remained out all night. Although accustomed to a warm stable, she mation of the trachea, arising from the inpart affected. It was unquestionably owing to her having been clipped that she escaped

*I'his PHOLOSOPHY, like very much of what is constantly met with even among intelligent men, has no toundation in nature. It is not the horses circulation that causes the evaporation of his sweat. The horse in bad condition becomes wet with sweat sooner than the when actively exercised. ED. GAZ.

ilt may be true that horses often rode or worked so hard in winter as to become wet with sweat, would be more comfortable when clipped. That is they would suffer less from being deprived of the coat of hair which nature provides as a protection against the cold, than from wearing this coat wet. But they still

some time, when he observed, "Why, your | so easily ; her coat was dry, which it would | parts as are usually cleansed by that apparat- | um jejunum, and illium, [the three portions horses always look as if they were in train. not have been but for that operation. A us, adds much to the comfor of the animal ing." Accustomed as he is to seeing so horse encompassed by a volume of perspir- and should always be attended to when he colon, of the large intestine, whence the exation with which a long coat is saturated is comes into the stable. generality of London horses so overfult of like a man with wet clothes on, and the sit-

uation of both is dangerous. home, and the saving of labor to the strap- and renders the sole too soft; the conseer, as well as the increased period which quence of which is, if a horse happen to he thereby obtains for rest, but he can do put his foot upon a stone, down he comes .-his work so much more easily to himself, Damp tow is unques ionably the best mate. because he does not sweat so profusely .- rial, and a pad made with it will last a long No one would think of riding a back in a time with care. This kind of stopping, ull suit of clothing; a long coat has much however, should not be used too often, and, the same effect, with this disadvantage, that generally speaking, is more necessary after you cannot slip it off when his day's work a journey than before it. As to its cooling is over, and the sweat must be suffered to effects upon the foot, it has very little influ-

but it is not so effectual as clipping; it does ty of the loot will contain, and must be apnot cradicate a thick woolly coat, which, is plied extendely if heat in the foot indicates he worst of any, as it retains the moisture internal inflammation ; for this purpose wet so long : the operation, too, is troublesome, pads made of strong linen tied round the and requires frequent repetition; whereas hoof appear to be the best applications .horse clipped in November needs no l'ar and grease, or tar and treacle, are exmore trouble.

vision of the stages which a horse shoul | be | der. To such horses as have bad frogs, a raden or driven when perferning a long mel ed application, and two or three times journey. This must in some degree be a week, with a pad of tow sufficiently thick regulated by his condition. If he is fit to at the heel to produce pressure, is generally go, with a journey of a hundred and fifty found serviceable, and will in time cure miles to perform, and three date to do it in, thrushes. before breakfast. Tas enables you to the best effects from doing so; it has a beans (which should be divided in a two load very well mixed, or the horse will sediseases. This is an viene so frequently too much will cause most horses to scour, circums ances. and likewise to sweat more profusely; therefore the less he has in reason the better till his day's work is completed, when he should have as much as he is inclined to ake. Gruel is an excellent thing, but it is not readily p ocured, properly made, on the mains longer on the stomach, and is less may at least serve to swell the volume of reaxing than when made with oatmeal -- your numerous well-meant speculations. It The usual method of preparing what they call gruel at inus is o m x oatmed with warm wa er, in which state it is decidedly bad: as emollient quality is produced by

> A lock of dry hay should be presented to he horse when he enters the stable. I recommend it dry for this reson. If it is made wet, a custom with some persons the horse gives at two or three twists with his teeth. and, finding it sufficiently most to be swal. lowed, he bolts it, and it passes into the stomach like a little wisp; but if arv, he is compelled to masticate it, the action o' which produces a discharge of saliva which cleanses the mouth much more effectually. For the same reason, the corn should nev er be made wet : a few go-downs of water given at intervals if the norse appears o refuse his corn from thirst, is a much better practice. The great secret in making a hack perform long journes is not to ride or drive him too fast especially at first starting. I will now proceed to tell you why I think so. as it causes him to sweat projusely, which renders him faint; and when he arrives a the stable he refuses his corn. A race- reeds, brush, &c. Nature has wonderfully horse is seldom called upon to take a four or provided this specie of animals with a diges. five mile gallop oftener than six or seven tive apparatus, which plainly points to the days, and a hack is frequently required to description of food it was intended they perform that distance at a good smart pace should consume. As with all other animals every day. There is certainly this differ- which feed chiefly on grass, their molares or ence that the race-horse is usually worked jaw teeth attain great size and strength, with clothes on, which the hack is not; but whilst in the cow particularly the under inhacks are very frequently competled to go cisores or fore teeth are entirely wanting; a distance of five or six miles at a pace thus firing them for the patient mastication which to them is nearly as severe as the of tough, dry herbaceous aliments. Again, pace at which many trainers sweat their the salivary glands of the cow are remark-

horses is to the race-horse. Some attention should also be paid to the unusual secretion of saliva requisite to the quantity of hay given to the horse previously complete mas ication of such substances. to his being worked: this should be regu. Again the cow is provided with that other lated by the distance and pace which he peculiar and novel portion of the digestive will be required to go. All these little things apparatus, denied to man and to all merely may appear unimportant, but they are es. graniverous animals, the four stomachessential to the animal's condition, and in enabling her to ruminate, or to chew over fact to the comfort and interest of the rider. again such portions of the woody fibre of If a short and fast journey, such as going her food as reach the po tal of the alimentto covert, he should be kept rather short of ary canal, insufficiently masticated. Is it hay over-night; but if a long journey fit to possible that all these peculiarities are given be taken at a slow pace during the firsisve to the cow, without a design? Are they of or six miles, a more liberal allowance will no especial use? It is certain they are not

Washing the legs and feet should never diges ion of corn. be neglected; and the gravel or sand should be carefully extracted from between the sole of the foot and the shoe whenever the norse stops to be fed. The pressure which four stomachs, and of the other more imit occasions, if suffered to accumulate, is portant parts of the digestive apparatus, imexceedingly painful. Unless a hack has been ridden very fast, I prefer cold water to remarks. wash his legs and feet, as the bracing effect is very silu ary. I know that some persons object to it on the supposition that it the second is a globular appendage to the produces rheumatism; but when a horse first, the internal membrane of which is recomes in from a journey in the winter his gularly distributed into polyonal os many legs are generally as wet as they well can angled cells. The third is the smallest, and be, independently of which they are covered as capacity much diminished by numerous with mud and dirt; and a fier washing and broad duplicatures of the internal memthem, if circumstances will not allow of brane. The fourth is second in size, and their being perfectly dried by the rubber, is lined with a villous or porous membrane. they will at all events become dry sooner With the aid of this apparatus, and a sort than if an accumulation of dirt be suffered to of diluted muriatic acid juice with which it remain on the limb. As a matter of course is regularly supplied through its internal I would profer their being rubbed dry, but membrane, the lood of the cow is reduced at inns you cannot always get it done. The to a sort of semi-fluid pulp, called chyle. use of the sponge to the nostrils, and such This chyle then passes through the duoden. shows may be obviated by the addition of

The practice of stopping the feet with clay and cow-dung is now pretty much out It is no merely the fact of a clipped horse of fashion. To most feet I am convinced being so much sooner dressed on his return | that it is highly injurious; it rots the frog. nce: if such a remedy is required, it must The practice of singing has its advocates, be applied in a greater bulk than the capacicellent compositions, and such as mos Various opinions exist as to the best di- backs require to keep their feet in good or-

I should divide them into twenty-five miles With the most decided objection to green each, or as near as the accommodation on food alone for any thing in the shape of the road would permit, starting, especially borse flesh (broad mares and fords excepin the summer time, early in the morning, 'ted.) I invariably give a moderate portion the stomach, and consequent excitement ad performing the first twenty-five miles in the summer mixed with hay, and I find we your horse well dressed, and to affer cooling operation, and the hay prevents it him three or four nours rest; and if he will possing through the bowels too rapidly. It at two quar erus of oats, and a quartern of successory o have he hay and the green meds), he will not take much harm. A lect he latter and leave the hay. It is moderate quantity f water must be given; scarcely necessary to add, that I never think at the same time it must be observed, that of urning a horse out to grass u.d.r any

London Old Sporing Magazine.

COWS FED ALONE ON CORN WILL NOT

MR. CLAYTON: - I have a theory to commun cate which deserves more attention is harmless, and therefore beats one virtue

Cows, in my neighborhood, are fed on corn-entirely on corn-broughout most ef he winter. This I view as a prodigal and it not destructive, at leas monutrive to the cow. I have known cows fed on ten ears of corn, night and morning, throughout the winter, and remain poort in the spring. I do not recollect that I ever knew a cow kept fat through the winter on corn alone. A highly respectable and close observing farmer of Williamson, once told me that he has known cows to was e away, and in some instances actually to die in the spring, after having wintered on a liberal corn feeding. He averred, too, that they did not waste of the reason of another man's cow I once heard of which died of eating turnips-one turnip a day .- There remains with me not a reasonable doubt, that cows do not thrive well on corn alone-and

The cow is a herbivorous animal, and in a state of na re feed on grasses, herbs, ably large; thus endowing them with the absolutely required in the mastication and

In order to make the opinions I am about to offer more intelligible, I will here premise brief description of the above mentioned mediately connected with the subject of my

The first of these stomachs is the paunch, which is the largest, holding many gallons.

of the small intestines,) and the coecum an crementious matter is ejected. The internal membrane of the small gut is villous, or full of small pores, through which the nutritive juices of the food are taken-up into the lacteals, and conveyed to every part of the system. In the liver, the bile is secreted, which flows into the gall bag, and thence into the duodenum, where together with the pancreatic juices, it comes in contact withthe chyle, upon which it is supposed to perform very important chemical changes; among which is the separation of the alimentious from the excrementious portions of

With these remarks, I will now proceed to give some of the reasons which I believe render corn alone, not on'y innutritious but really injurious to the healthful condition of

First then, a gallon of corn, or thirteen cars at a feeding, is known to contain a quantity of rich farinacious matter sufficient for one cow. This feeding of corn file perhaps, only about one seventh part of one stomach, the paunch. It is an established fact with animal physiologists, that all animals feel more comfortable, when the stomach is nearly filled. And comfort, it is known contributes to fat. But in addition to this fact, the healthy action of the vascular membrane of the stomach, through which the gastric juice is supplied, and which is so essential to complete digestion, is dependent upon a certain distension of therefrom. Bell, in his anatomy of the lymphatics and lacteals of the intestinal canal, says that " the absorption is not by an inorganized pore, but depending on excitement and action"—" when excited by the pres-ence of chyle," &c. The filling the pauneh, then, with hav, fodder or other "roughness," is essential to the comfort of the animal, and the proper action of the gastric juices upon

Again corn frequently passes through cows whole, and so completely undisturbed as to germinate and sprout on being planted. But " roughness" of all sorts, when fed to a cow, is always well decomposed and digested. The ruminating faculty of the cow enables her to throw up and chew over wads of grass, or, if fed together with corn, wads of grass and corn-thus enabling her to digest it properly. But corn alone, cannot be sufficiently acted on by this process. I need not dwell on the great importance of a proper mustication and digestion of food to the healthful condition of the animal.

But there are still more weighty reasons and destructive policy-prodigal of the corn, why corn is hurtful to animals, when fed alone. A large portion of the composition of corn grain is in farinaceous matter, consisting of gluten, albumen, &c., and becomes under certain circumstances, vegeta. ble mucilage. It is nutritive in a high degree. But thee is in it a total absence of that bitter principle, which is so essential as a tonic to give strength and vigor to the systems of animals fed on nutritive vegeta: ble substances. Dr. Paris, in his History of Med cal Substances, has furnished a succinct account of this bitter principle, or extract, and its importance to the digestion of heroivorous animals, which I cannot do better than to quote.- He says :-

"There would seem to be certain substances that act as specific stimuli upon the living fibre, and are in certain cases indispensable for the maintenance of its healthy tone ; such are vegetable bitters, which produce a powerful effect upon the digestive organs' and by nervous sympathy, upon the rest of the system. Bitter extractive seems to be as essential to the digestion of herbivorous, as salt is to carnivorous animals ; it acts as a natural stimulant, &c...

Again he says : " No cattle will thrive upon grasses which do not contain a portion of this vegetable principle; this fact has been most satisfactorily proved by the late researches of Mr. Sinclair, Gardener to the Duke of Bedford, which are recorded in the magnificent work, the 'Hortus Gramineus Woburnesis.' They show, that if sheep are fed on yellow turnips, which contain little or no bitter principle, that they instinctly seek for, and greedily devour any provender which may contain it, and that if they cannot obtain it they become diseased and die." " "Vith regard to the natural use of bitter extrac_ tive, it may be laid down as a truth, that it stimulates the stomach, corrects purefy. ing and unwholesome nutriment, promotes tardy digestion, it increases the nutritive powers of those vegetable substances to which it is united, and furnishes a natural remedy for the deranged functions of the stomach in particular." &c. " Its importance is in an inverse ratio with the nutritive powers of the food." "That cultivation which extends the nutritive powers of vege. table bodies generally diminishes their brtterness in the same proportion. Gummy matter is undeabtedly rendered more digestible and nutritive by the presence of a bit-

The reader need but bear the above positions in mind and apply them to corn as food, which is destitute of bitter, but is eminently nutritious, and possesses much saccharine, mucilaginous, and gultinous matter.*

Besides, Professor Fritze, in his Medical Annals, states that vegetable mucilage. ("xisting abundantly in corn grain,) "when used as a principal article of diet, releases the organs of digestion, and produces a viscid slimy mucus, and a morbid acid, in the prime viæ, an effect which analogy